

JACKSONVILLE MUNICIPAL LANDFILL ARKANSAS

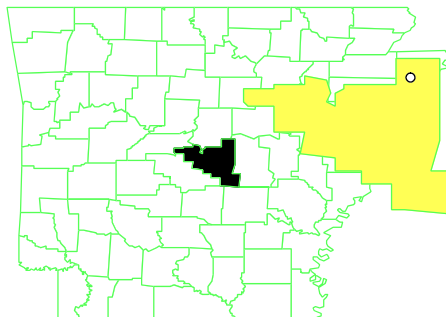
EPA ID# ARD980809941

Site ID: 0600236

EPA REGION 6

CONGRESSIONAL DISTRICT 1

Loanoke County



Updated: April 27, 2005

Other Names:

Graham Road Landfill

Site Description

- Location:**
- On Graham Road east of Jacksonville, Arkansas, just inside the Pulaski County line.
 - North of Little Rock.
 - The Rogers Road Landfill site is located approximately ½ mile to the west.

- Population:**
- Estimated at 10,000, within three miles of the site.

- Setting:**
- An estimated 10,000 people draw drinking water from public and private wells.
 - A private water well is 500 feet from the site.
 - The site encompasses approximately 40 acres of an 80-acre tract of land and is used for recreational purposes, such as hunting.
 - In addition to municipal waste, drums of industrial wastes were illegally dumped in the landfill.
 - On-site soil and drums were contaminated with 2,3,7,8-tetrachlorodibenzo (P) dioxin (2,3,7,8-TCDD), 2,4-D, 2,4,5-T, and 2,4,5-TP.

- Hydrology:**
- Deposits underlying the site are composed of silty clay to about 80 feet.
 - Ground water and surface water flows are to the southeast.

Wastes and Volumes

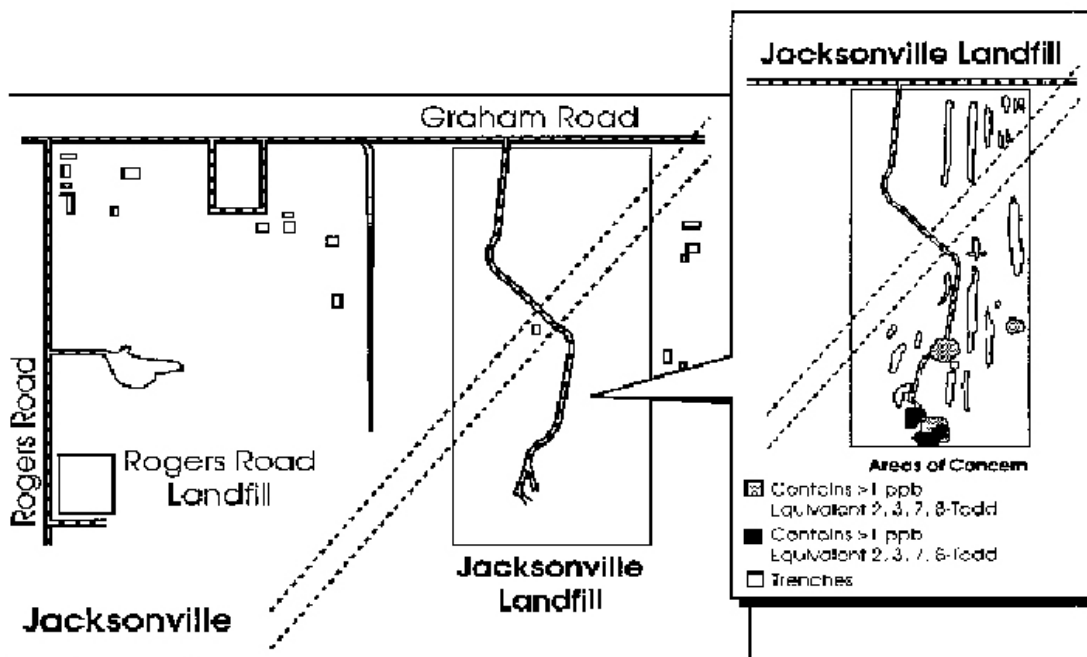
- The principal pollutants at the Jacksonville Municipal Landfill included 2,3,7,8-TCDD (dioxin), and herbicides (2,4-D, 2,4,5-T and 2,4,5-TP).
- 498 cubic yards of contaminated soil and 22 drums of hazardous materials were excavated during the site remediation.
- Contamination was confined to four isolated drum pile locations. There is no off-site contamination.

Site Assessment and Ranking

NPL LISTING HISTORY

Site HRS Score: 29.64
Proposed Date: 01/22/87
Final Date: 07/22/87
NPL Update: No. 6

Site Map and Diagram



The Remediation Process

Site History:

- The City of Jacksonville purchased the site in June 1960 and operated it as a municipal landfill until 1973.
- Industrial and municipal wastes were at first burned and then later dumped into unlined trenches. No cover was applied at the end of the day.
- The Site was closed in July 1973, when the Arkansas Department of Pollution Control and Ecology (ADPC&E), now know as the Arkansas Department of Environmental Quality, refused to grant a landfill permit due to the high water table and poor drainage.
- In early 1986, the City of Jacksonville fenced the site to prevent public access.

Health Considerations:

- Potential for direct contact.
- Potential for contamination of residential wells.

Record of Decision

Signed: September 27, 1990

● The remedy selected for the Jacksonville Municipal Landfill included excavation of the on-site waste material, thermal treatment and ash disposal of this material at the Vertac Chemical Corp., capping of residual waste on-site, long term ground water monitoring and site maintenance.

<u>Other Remedies Considered</u>	<u>Reason Not Chosen</u>
1. No action	Not protective
2. Capping	Not permanent, does not satisfy EPA's preference for treatment.
3. Off-site thermal destruction	No commercial facility presently permitted to accept dioxin waste.
4. Thermal destruction at landfill	Less secure location than at landfill Vertac; not industrially zoned.

Community Involvement

- Community Involvement Plan: Developed 11/88.
- Open houses and workshops: Open house 7/88; Update 11/88 and 3/89; Open house and Update 7/89; Update 12/89; Update 5/90; Update 6/94.
- Original Proposed Plan Fact Sheet and Public Meeting: 07/90.
- Original Record of Decision (ROD) Fact Sheet: 10/90.
- Milestones: Satellite Office Open 7/90 - Continuing Community Outreach/Contact.
- Remedial Design/Remedial Action (RD/RA) Public Meeting, 8/94
- Citizens on site mailing list: 250
- Constituency Interest: Highly organized community interest (PACCE, FUSE, ACCA, ECA, AA, NAACP, Greenpeace, JPWP, AARF). Elected officials at all levels are keenly aware of and interested in this site.
- Site Repository: Jacksonville City Hall
- Community Relations for this site are also accomplished through Vertac Chemical site outreach.

Technical Assistance Grant

- Original Availability Notice: 4/88, 1/92
- Letters of Intent Received:
 - 1) Jacksonville People With Pride Cleanup Coalition (JPWPCUC)
 - 2) Vertac Area Citizens Group
 - 3) Friends United for a Safe Environment
 - 4) People Against Chemically Contaminated Environment
- Final Application received: 02/22/89
- Grant Award: 05/18/89 to JPWPCUC
- Budget Period: 04/05/93-04/04/95
- Current Status: Grant award to JPWPCUC was annulled 12/91 due to apparent conflict of interest.

- Availability re-advertised 01/92
- Letters of Intent received:
 - 1) Jacksonville Superfund Oversight Committee
 - 2) People Against a Chemically Contaminated Environment
 - 3) Jacksonville Superfund Cleanup Coalition
 - 4) Concerned Citizens Coalition (CCC)
- Final Application Received: 2/24/93
- Grant Award: 04/05/93 to CCC
- Budget Period: 04/05/93-04/04/96
- Grantee: Concerned Citizens Coalition, Inc. (CCC) Bob Johnson, President, Jacksonville, AR
- Technical Advisor selected 9/94, ECO, Inc., contract signed 12/94, terminated 12/95.
- Second Technical Advisor, Carlisle Consulting, Inc., selected 3/96, document reviews and input to remedy selection resumed.
- Current Status: Significant effort and outreach by EPA resulted in consolidation of competing groups onto the CCC Board of Directors. All funds disbursed and grant closed out.
 - Another TAG awarded to CCC
 - Grant Award: 04/05/96 to CCC
 - Budget Period: 04/05/96-04/04/99
 - Tag expired 04/04/99. TAG is currently being closed and deobligated.

Contacts ---

- **Remedial Project Manager (EPA):** Shawn Ghose P.E., 214-665-6782, Mail Code: 6SF-AP
- **State Contact:** Brian Wakelyn (ADEQ), 501-682-0845
- **Community Involvement (EPA):** Shawn Ghose P.E., 214-665-6782, Mail Code: 6SF-AP
- **State Coordinator (EPA):** Karen Bond, 214-665-6682, Mail Code: 6SF-AP
- **Prime Contractor: RD/RA - U.S. EPA TAT Team, Ecology & Environment**

Enforcement ---

- RD/RA Special Notice Letters issued 1/88.
- Consent Decree (CD) between EPA and one settling PRP entered 5/94.
- CD covered excavation and off-site treatment of site waste.

Present Status and Issues ---

- EPA signed the Preliminary Closeout Report and conducted a ribbon-cutting ceremony signifying construction completion on September 25, 1995.
- EPA signed the Closeout Report on April 30, 1996.
- Deed restrictions, to keep residents from disturbing the soil cover in the excavated areas and from using the onsite ground water were filed in August, 1999.
- The Site was deleted from the NPL on March 14, 2000.
- The first Site Five-Year review was issued on September 27, 2000.

Benefits ---

- Excavation of all hazardous substances at the site has eliminated the potential for exposure to contaminants at the Jacksonville Landfill.
- Access to the site will remain restricted and the City will continue to conduct operation and maintenance activities.

- Had the site not been cleaned up, it would have continued to act as a source of soil contamination and a potential source of ground water contamination.
- Once the site is deleted from the NPL, the city intends to use the land, possibly for community purposes.